

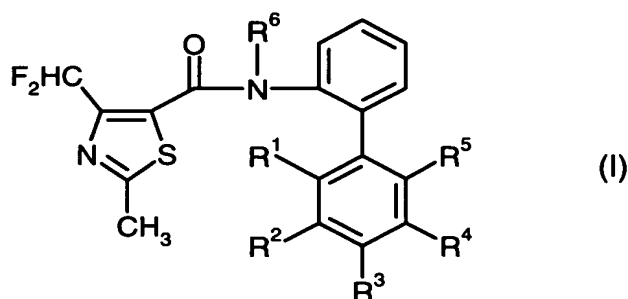
AMENDMENTS TO THE CLAIMS:

Please change the heading at page 51, line 1, from "Claims" to --WHAT IS CLAIMED IS:--

The following listing of claims will replace all prior versions of claims in the application.

Claims 1-17 (canceled)

-- Claim 18 (new): A thiazolylbiphenylamide of the formula (I)



in which

R¹, R², and R³ independently of one another represent hydrogen, halogen, cyano, nitro, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-alkylsulfonyl, or C₃-C₆-cycloalkyl; or represent C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy, C₁-C₄-haloalkylthio, or C₁-C₄-haloalkylsulfonyl having in each case 1 to 5 halogen atoms, or

R¹ and R² together or R² and R³ together represent optionally halogen- or C₁-C₆-alkyl-substituted alkenylene,

R⁴ and R⁵ independently of one another represent hydrogen, halogen, cyano, nitro, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-alkylsulfonyl, or C₃-C₆-cycloalkyl; or represent C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy, C₁-C₄-haloalkylthio, or C₁-C₄-haloalkylsulfonyl having in each case 1 to 5 halogen atoms, or

R⁶ represents C₁-C₈-alkyl, C₁-C₆-alkylsulfinyl, C₁-C₆-alkylsulfonyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, C₃-C₈-cycloalkyl; represents C₁-C₆-haloalkyl, C₁-C₄-haloalkylsulfonyl, C₁-C₄-haloalkylsulfinyl, C₁-C₄-haloalkylsulfonyl, halo-C₁-C₄-alkoxy-C₁-C₄-alkyl, or C₃-C₈-halocycloalkyl having in each case 1 to 9 fluorine,

chlorine, and/or bromine atoms; or represents $-\text{COR}^7$, $-\text{CONR}^8\text{R}^9$, or $-\text{CH}_2\text{NR}^{10}\text{R}^{11}$,

R^7 represents hydrogen, $\text{C}_1\text{-C}_8\text{-alkyl}$, $\text{C}_1\text{-C}_8\text{-alkoxy}$, $\text{C}_1\text{-C}_4\text{-alkoxy-C}_1\text{-C}_4\text{-alkyl}$, $\text{C}_3\text{-C}_8\text{-cycloalkyl}$; represents $\text{C}_1\text{-C}_6\text{-haloalkyl}$, $\text{C}_1\text{-C}_6\text{-haloalkoxy}$, halo- $\text{C}_1\text{-C}_4\text{-alkoxy-C}_1\text{-C}_4\text{-alkyl}$, or $\text{C}_3\text{-C}_8\text{-halocycloalkyl}$ having in each case 1 to 9 fluorine, chlorine, and/or bromine atoms; or represents 4-(difluoromethyl)-2-methyl-1,3-thiazol-2-yl,

R^8 and R^9 independently of one another represent hydrogen, $\text{C}_1\text{-C}_8\text{-alkyl}$, $\text{C}_1\text{-C}_4\text{-alkoxy-C}_1\text{-C}_4\text{-alkyl}$, or $\text{C}_3\text{-C}_8\text{-cycloalkyl}$; or represent $\text{C}_1\text{-C}_8\text{-haloalkyl}$, halo- $\text{C}_1\text{-C}_4\text{-alkoxy-C}_1\text{-C}_4\text{-alkyl}$, or $\text{C}_3\text{-C}_8\text{-halocycloalkyl}$ having in each case 1 to 9 fluorine, chlorine, and/or bromine atoms, or

R^8 and R^9 together with the nitrogen atom to which they are attached form a saturated heterocycle that is optionally mono- or polysubstituted by identical or different substituents selected from the group consisting of halogen and $\text{C}_1\text{-C}_4\text{-alkyl}$ and that has 5 to 8 ring atoms, where the heterocycle optionally contains 1 or 2 further non-adjacent heteroatoms selected from the group consisting of oxygen, sulfur, and NR^{12} ,

R^{10} and R^{11} independently of one another represent hydrogen, $\text{C}_1\text{-C}_8\text{-alkyl}$, or $\text{C}_3\text{-C}_8\text{-cycloalkyl}$; or represent $\text{C}_1\text{-C}_8\text{-haloalkyl}$ or $\text{C}_3\text{-C}_8\text{-halocycloalkyl}$ having in each case 1 to 9 fluorine, chlorine, and/or bromine atoms, or

R^{10} and R^{11} together with the nitrogen atom to which they are attached form a saturated heterocycle that is optionally mono- or polysubstituted by identical or different substituents selected from the group consisting of halogen and $\text{C}_1\text{-C}_4\text{-alkyl}$ and that has 5 to 8 ring atoms, where the heterocycle optionally contains 1 or 2 further non-adjacent heteroatoms from the group consisting of oxygen, sulfur and NR^{12} , and

R^{12} represents hydrogen or $\text{C}_1\text{-C}_6\text{-alkyl}$.

Claim 19 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which

R^1 , R^2 , and R^3 independently of one another represent hydrogen, fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, n- or isopropyl, n-, iso-, sec-, or tert-butyl,

methoxy, ethoxy, methylthio, ethylthio, n- or isopropylthio, cyclopropyl, trifluoromethyl, trichloromethyl, trifluoroethyl, difluoromethoxy, trifluoromethoxy, difluorochloromethoxy, trifluoroethoxy, difluoromethylthio, difluorochloromethylthio, or trifluoromethylthio, or

R¹ and R² or R² and R³ together represent optionally fluorine-, chlorine-, bromine-, or methyl-substituted butadienediyl,

R⁴ and R⁵ independently of one another represent hydrogen, fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, n- or isopropyl, n-, iso-, sec-, or tert-butyl, methoxy, ethoxy, methylthio, ethylthio, n- or isopropylthio, cyclopropyl, trifluoromethyl, trichloromethyl, trifluoroethyl, difluoromethoxy, trifluoromethoxy, difluorochloromethoxy, trifluoroethoxy, difluoromethylthio, difluorochloromethylthio, or trifluoromethylthio,

R⁶ represents C₁-C₆-alkyl, C₁-C₄-alkylsulfinyl, C₁-C₄-alkylsulfonyl, C₁-C₃-alkoxy-C₁-C₃-alkyl, or C₃-C₆-cycloalkyl; represents C₁-C₄-haloalkyl, C₁-C₄-haloalkylsulfinyl, C₁-C₄-haloalkylsulfonyl, halo-C₁-C₃-alkoxy-C₁-C₃-alkyl, C₃-C₆-halocycloalkyl having in each case 1 to 9 fluorine, chlorine, and/or bromine atoms; or represents -COR⁷, -CONR⁸R⁹, or -CH₂NR¹⁰R¹¹,

R⁷ represents hydrogen, C₁-C₆-alkyl, C₁-C₄-alkoxy, C₁-C₃-alkoxy-C₁-C₃-alkyl, or C₃-C₆-cycloalkyl; represents C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy, halo-C₁-C₃-alkoxy-C₁-C₃-alkyl, or C₃-C₆-halocycloalkyl having in each case 1 to 9 fluorine, chlorine, and/or bromine atoms; or represents 4-(difluoromethyl)-2-methyl-1,3-thiazol-2-yl,

R⁸ and R⁹ independently of one another represent hydrogen, C₁-C₆-alkyl, C₁-C₃-alkoxy-C₁-C₃-alkyl, or C₃-C₆-cycloalkyl; or represent C₁-C₄-haloalkyl, halo-C₁-C₃-alkoxy-C₁-C₃-alkyl, C₃-C₆-halocycloalkyl having in each case 1 to 9 fluorine, chlorine, and/or bromine atoms, or

R⁸ and R⁹ together with the nitrogen atom to which they are attached form a saturated heterocycle that is optionally mono- to tetrasubstituted by identical or different substituents selected from the group consisting of halogen and C₁-C₄-alkyl and that has 5 to 8 ring atoms, where the heterocycle optionally contains 1 or 2 further non-adjacent heteroatoms selected from the group consisting of oxygen, sulfur, and NR¹²,

R¹⁰ and R¹¹ independently of one another represent hydrogen, C₁-C₆-alkyl, or C₃-C₆-cycloalkyl; or represent C₁-C₄-haloalkyl or C₃-C₆-halocycloalkyl having in each case 1 to 9 fluorine, chlorine, and/or bromine atoms, or

R¹⁰ and R¹¹ together with the nitrogen atom to which they are attached form a saturated heterocycle that is optionally mono- or polysubstituted by identical or different substituents selected from the group consisting of halogen and C₁-C₄-alkyl and that has 5 to 8 ring atoms, where the heterocycle optionally contains 1 or 2 further non-adjacent heteroatoms selected from the group consisting of oxygen, sulfur, and NR¹², and

R¹² represents hydrogen or C₁-C₄-alkyl.

Claim 20 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which

R¹, R², R³, R⁴, and R⁵ independently of one another represent hydrogen, fluorine, chlorine, bromine, cyano, methyl, methoxy, methylthio, trifluoromethyl, difluoromethoxy, trifluoromethoxy, difluoromethylthio, or trifluoromethylthio,

R⁶ represents methyl, ethyl, n- or isopropyl, n-, iso-, sec-, or tert-butyl, pentyl, or hexyl, methylsulfinyl, ethylsulfinyl, n- or isopropylsulfinyl, n-, iso-, sec-, or tert-butylsulfinyl, methylsulfonyl, ethylsulfonyl, n- or isopropylsulfonyl, n-, iso-, sec-, or tert-butylsulfonyl, methoxymethyl, methoxyethyl, ethoxymethyl, ethoxyethyl, cyclopropyl, cyclopentyl, cyclohexyl, trifluoromethyl, trichloromethyl, trifluoroethyl, difluoromethylsulfanyl, difluorochloromethylsulfanyl, trifluoromethylsulfanyl, trifluoromethylsulfinyl, trifluoromethylsulfonyl, trifluoromethoxymethyl, -COR⁷, -CONR⁸R⁹, or -CH₂NR¹⁰R¹¹,

R⁷ represents hydrogen, methyl, ethyl, n- or isopropyl, tert-butyl, methoxy, ethoxy, tert-butoxy, cyclopropyl; trifluoromethyl, trifluoromethoxy, or 4-(difluoromethyl)-2-methyl-1,3-thiazol-2-yl,

R⁸ and R⁹ independently of one another represent hydrogen, methyl, ethyl, n- or isopropyl, n-, iso-, sec-, or tert-butyl, methoxymethyl, methoxyethyl, ethoxymethyl, ethoxyethyl, cyclopropyl, cyclopentyl, cyclohexyl; trifluoromethyl, trichloromethyl, trifluoroethyl, or trifluoromethoxymethyl, or

R^8 and R^9 together with the nitrogen atom to which they are attached form a saturated heterocycle selected from the group consisting of morpholine, thiomorpholine, and piperazine, which heterocycle is optionally mono- to tetrasubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, and methyl, where the piperazine is optionally substituted on the second nitrogen atom by R^{12} ,

R^{10} and R^{11} independently of one another represent hydrogen, methyl, ethyl, n- or isopropyl, n-, iso-, sec-, or tert-butyl, methoxymethyl, methoxyethyl, ethoxymethyl, ethoxyethyl, cyclopropyl, cyclopentyl, cyclohexyl; trifluoromethyl, trichloromethyl, trifluoroethyl, or trifluoromethoxymethyl, or

R^{10} and R^{11} together with the nitrogen atom to which they are attached form a saturated heterocycle selected from the group consisting of morpholine, thiomorpholine, and piperazine, which heterocycle is optionally mono- to tetrasubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, and methyl, where the piperazine is optionally substituted on the second nitrogen atom by R^{12} , and

R^{12} represents hydrogen, methyl, ethyl, n- or isopropyl, or n-, iso-, sec-, or tert-butyl.

Claim 21 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which four of the radicals R^1 , R^2 , R^3 , R^4 , and R^5 represent hydrogen.

Claim 22 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which

R^1 , R^2 , R^4 , and R^5 each represent hydrogen, and

R^3 represents hydrogen, halogen, cyano, nitro, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_1 - C_4 -alkoxy, C_1 - C_4 -alkylthio, C_1 - C_4 -alkylsulfonyl, or C_3 - C_6 -cycloalkyl; or represents C_1 - C_4 -haloalkyl, C_1 - C_4 -haloalkoxy, C_1 - C_4 -haloalkylthio, or C_1 - C_4 -haloalkylsulfonyl having in each case 1 to 5 halogen atoms.

Claim 23 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which

R², R⁴, and R⁵ each represent hydrogen, and

R¹ and R³ independently of one another represent hydrogen, halogen, cyano, nitro, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-alkylsulfonyl, or C₃-C₆-cycloalkyl; or represent C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy, C₁-C₄-haloalkylthio, or C₁-C₄-haloalkylsulfonyl having in each case 1 to 5 halogen atoms.

Claim 24 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which

R¹, R⁴, and R⁵ each represent hydrogen, and

R² and R³ independently of one another represent hydrogen, halogen, cyano, nitro, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-alkylsulfonyl, or C₃-C₆-cycloalkyl; or represent C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy, C₁-C₄-haloalkylthio, or C₁-C₄-haloalkylsulfonyl having in each case 1 to 5 halogen atoms.

Claim 25 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which

R¹, R³, and R⁵ each represent hydrogen, and

R² and R⁴ independently of one another represent hydrogen, halogen, cyano, nitro, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-alkylsulfonyl, or C₃-C₆-cycloalkyl; or represent C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy, C₁-C₄-haloalkylthio, or C₁-C₄-haloalkylsulfonyl having in each case 1 to 5 halogen atoms.

Claim 26 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which

R⁶ represents -COR⁷, and

R⁷ represents 4-(difluoromethyl)-2-methyl-1,3-thiazol-2-yl.

Claim 27 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which

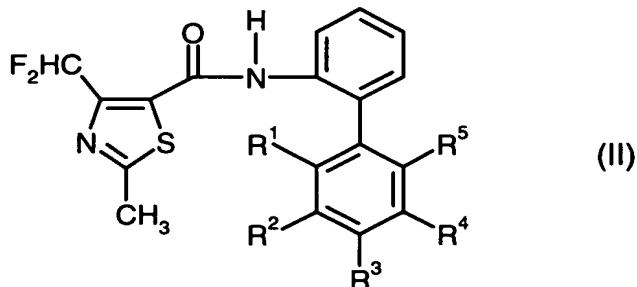
R^6 represents $-\text{COR}^7$, and

R^7 represents methyl, ethyl, cyclopropyl, or trifluoromethyl.

Claim 28 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which R^6 represents $-\text{CHO}$.

Claim 29 (new): A thiazolylbiphenylamide of formula (I) as claimed in Claim 18 in which R^6 represents methyl, ethyl, n- or isopropyl, n-, iso-, sec-, or tert-butyl, methylsulfinyl, methylsulfonyl, methoxymethyl, ethoxyethyl, cyclopropyl, cyclopentyl, cyclohexyl, trifluoromethyl, trichloromethyl, trifluoromethylsulfanyl, trifluoromethylsulfinyl, trifluoromethylsulfonyl, or trifluoromethoxymethyl.

Claim 30 (new): A process for preparing a thiazolylbiphenylamide of formula (I) as claimed in Claim 18 comprising reacting a thiazolylbiphenylamide of formula (II)



in which R^1 , R^2 , R^3 , R^4 , and R^5 are as defined for formula (I) in Claim 18, with a halide of formula (III)



in which

R^6 is as defined for formula (I) in Claim 18, and

X represents chlorine, bromine, or iodine,

in the presence of a base and in the presence of a diluent.

Claim 31 (new): A composition for controlling unwanted microorganisms comprising one or more thiazolylbiphenylamides of formula (I) as claimed in Claim 18 and one or more extenders and/or surfactants.

Claim 32 (new): A method of controlling unwanted microorganisms comprising applying an effective amount of one or more thiazolylbiphenylamides of formula (I) according to Claim 18 to the microorganisms and/or their habitat.

Claim 33 (new): A process for preparing compositions for controlling unwanted microorganisms comprising mixing one or more thiazolylbiphenylamide of formula (I) as claimed in Claim 18 with one or more extenders and/or surfactants. --